

Multi-signal to SDI /HDMI Cross Converter

SC7030

SC7030 is an exquisite and professional converter to convert SDI/HDMI/DVI - I/VGA/CVBS/S-video/ YPbPr signal to triple SDI / HDMI signals. The format of the output can realize up/down scaling, frame rate conversion. It also features analog audio embedding. All the functions can be easily set by a built-in DIP switches or PC via micro USB. SC7030 is your ideal choice for medical, broadcasting and AV post production applications.

Connections

Video Input

- 1×SD/HD/3G-SDI (75Ω BNC)
- 1xHDMI type A
- 1×DVI-I/VGA
- 1×S-VIDEO/CVBS/YPBPR

Video Output

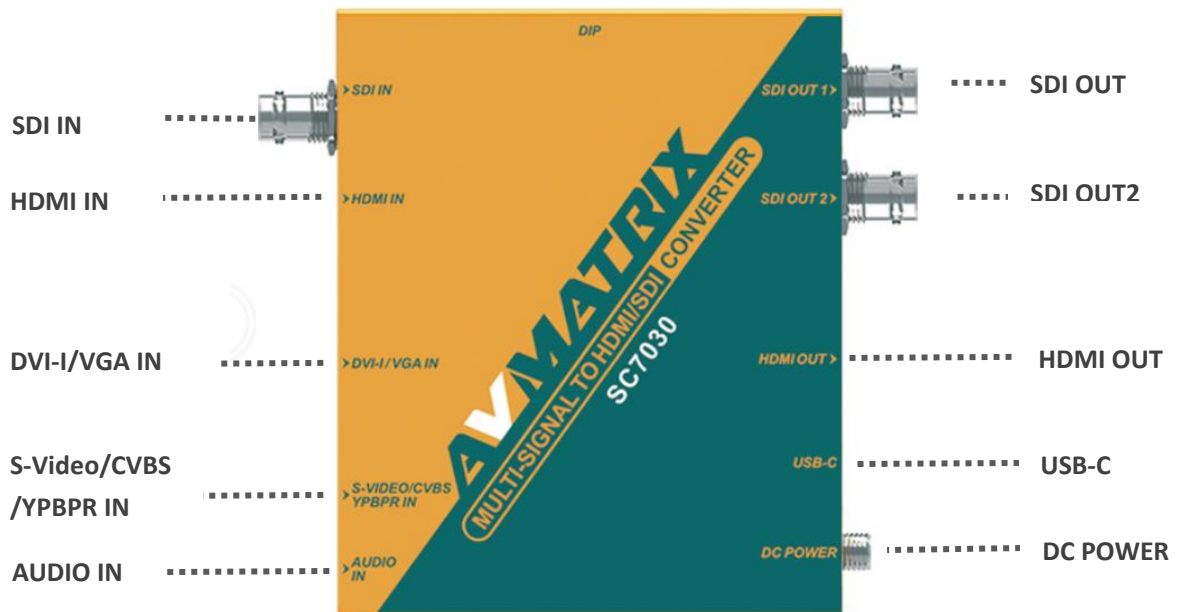
- 2×SD/HD/3G-SDI (75Ω BNC)
- 1xHDMI type A

Updates and Configuration

- USB Type-C

Analog Audio Input

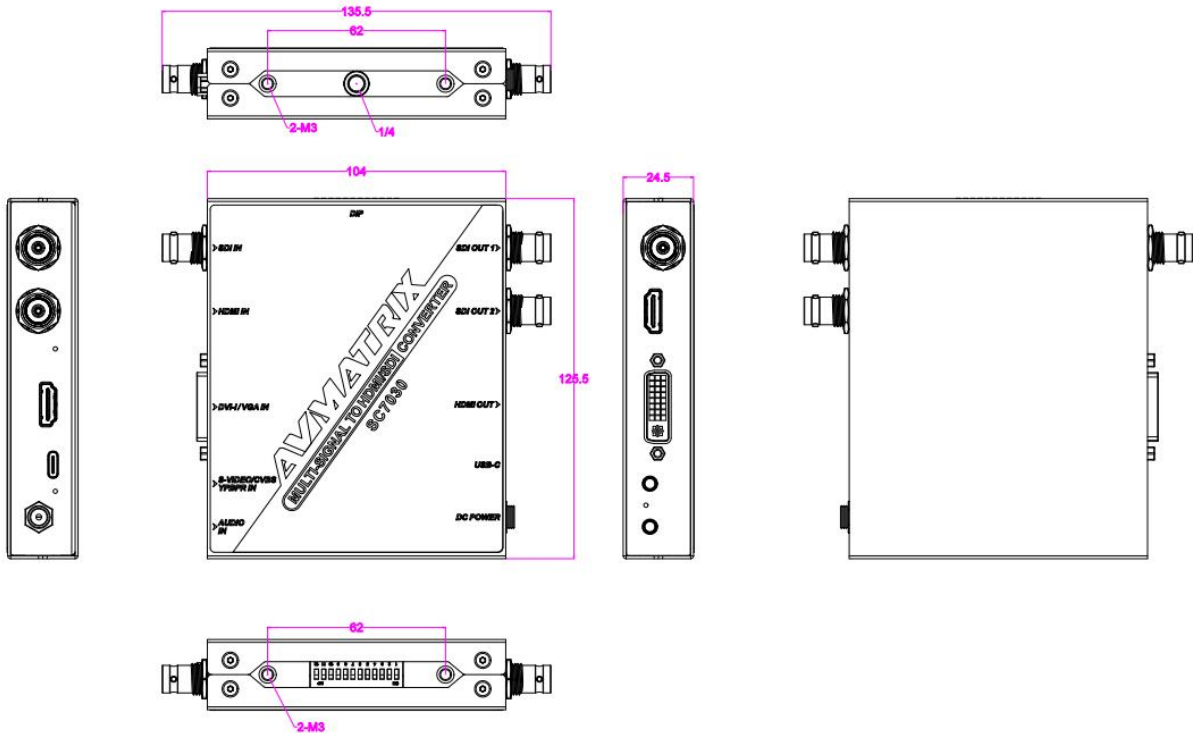
- 1×1/8" (3.5mm) jack



Specifications

Connections	
Video Input	1×SDI input 1×HDMI input 1×DVI-I / VGA input 1×S-VIDEO/CVBS/YPBPR input
Audio Input	1×3.5mm (Analog audio input)
Video Output	2×SDI output, 1×HDMI output
USB	USB Type-C (For firmware update & power supply)
Format	
SDI & HDMI Output Format	1080p 60/59.94/50, 3G-SDI Support level-A & Level-B 1080p 30/29.97/25/24/23.98 1080i 60/59.94/50 720p 60/59.94/50 625i 50 PAL, 525i 59.94 NTSC
SDI Input Format	(3G level-A) 1920×1080p 60/59.94/50 (3G level-B) 1920×1080p 60/59.94/50 (HD) 1920×1080p 30/29.97/25/24/23.98 (HD) 1920×1080i 60/59.94/50 (HD) 1920×1080Psf 30/29.97/25/24/23.98 (HD) 1280×720p 60/59.94/50/30/29.97/25/24/23.98 (SD) 525i 59.94, 625i 50
HDMI Input Format	1920×1080p 60/59.94/50/30/29.97/25/24/23.98 1920×1080i 60/59.94/50 1280×768p 60 1280×720p 60/59.94/50/30/29.97/25/24/23.98
DVI-I/VGA Input Format	VGA:1920×1080/ 1600×1200/ 1280×1024/ 1280×960/ 1280×720/ 1024×768/ 800×600/ 640×480/ 720×400, Up to 60Hz DVI:1920×1080/ 1280×720, Up to 60Hz
YPBPR Input Format	1080p, 1080i, 720p, 576p, 480p, 576i, 480i
S-Video/CVBS Input Format	Support NTSC, PAL and SECAM
SDI Color Space	In: YUV 4:2:2 10bit, Out: YUV 4:2:2 10bit

HDMI Color Space	In: RGB 4:4:4 8/10/12bit, YUV 4:2:2 8/10/12bit, YUV 4:4:4 8/10/12bit Out: RGB 4:4:4 8bit
Hardware Deinterlacing	Support 1080i hardware deinterlacing, clearer and more stable picture
General	
Dimensions	104×125.5×24.5mm
Weight	Net weight: 496.1g Gross weight: 940g
Power Consumption	≤5.5W
Operating Voltage	12V(Voltage Range: DC 6-24V), USB 5V
Operating Temperature	-20~60°C
Storage Temperature	-30~70°C
Relative Humidity	20~90% RH (no condensation)
Warranty	3 years
Accessory	
Accessory	DC 12V 2A Universal Power Supply, DVI to VGA connector S-Video/CVBS/YPBPR 3-in-1 cable, Bracket (optional)



Dip Switches

SDI /HDMI Cross Converter’s Dip Switches provide the following settings (1=ON, 0=OFF)

1. DIP1SW1-4Up/Down Scaling and Frame Conversion

Set switches to realize up/down scaling and frame rate conversion of output.

Multi-signal to HDMI/SDI Converter										
DIP SWITCHES (1=ON, 0=OFF)										
Output Format	SW1	SW2	SW3	SW4	Video In	SW5	SW6	SW7	Audio In	SW8
1080p60	1	1	1	1	SDI	1	1	1	Follow Video In	1
1080p59.94	1	1	1	0	HDMI	1	1	0	Analog Audio	0
1080p50	1	1	0	1	DVI	1	0	1	Aspect Ratio	SW9
1080p30	1	1	0	0	VGA	1	0	0	16:9	1
1080p29.97	1	0	1	1	YPbPr	0	1	1	4:3	0
1080p25	1	0	1	0	S-Video	0	1	0	HDMI Out Color	SW10
1080p24	1	0	0	1	CVBS	0	0	1	Full RGB	1
1080p23.98	1	0	0	0					Limited RGB	0
1080i60	0	1	1	1					3G-SDI Out Level	SW11
1080i59.94	0	1	1	0					Level-A	1
1080i50	0	1	0	1					Level-B	0
720p60	0	1	0	0					Controls	SW12
720p59.94	0	0	1	1					DIP	1
720p50	0	0	1	0					PC	0
625i50 PAL	0	0	0	1						
525i59.94 NTSC	0	0	0	0						

Output Format	SW1	SW2	SW3	SW4
1080p60	1	1	1	1
1080p59.94	1	1	1	0
1080p50	1	1	0	1
1080p30	1	1	0	0
1080p29.97	1	0	1	1
1080p25	1	0	1	0
1080p24	1	0	0	1
1080p23.98	1	0	0	0
1080i60	0	1	1	1
1080i59.94	0	1	1	0
1080i50	0	1	0	1
720p60	0	1	0	0
720p59.94	0	0	1	1
720p50	0	0	1	0
625i50 PAL	0	0	0	1
525i59.94 NTSC	0	0	0	0

2. DIP1 SW 5-7 Video Input

Set switch to select the input from SDI/HDMI/DVI-I/VGA/CVBS/S-video/YPbP.

User can use it to convert an input signals, including SDI/HDMI/DVI-I/VGA/CVBS/S-video/YPbP, to two parallel SDI outputs and an HDMI output.

3. DIP SW 8 Audio Input

Set switches to select audio input mode.

When set to 1, audio input mode is follow audio in mode.

When set to 0, audio input mode is analog audio mode. (SDI/HDMI embedded)

4. DIP SW 9 Aspect Ratio

Set switches to select aspect ratio.

When set to 1, aspect ratio is 16:9. When set to 0, aspect ratio is 4:3.

5. DIP SW 10 HDMI Output Color

Set switches to select HDMI output format.

When set to 1, HDMI output format is Full RGB. When set to 0, HDMI output format is Limited RGB.

6. DIP SW 11 3G-SDI Output Level

Set switches to select SDI output format.

When set to 1, SDI output format is 3G Level-A. When set to 0, SDI output format is 3G Level-B.

7. DIP SW 12- Controls

Set switches to select controls between DIP and PC software.

When set to 1, DIP control is enabled. When set to 0, PC control software is enabled.

What's Included

SC7030 (Multi-signal to HDMI/3G-SDI converter)

DC 12V 2A Universal Power Supply with International Socket Adapters

DVI to VGA Connector

S-Video/CVBS/YPBPR 3-in-1 cable

Bracket (optional)

Warranty

3 Year Limited Manufacturer's Warranty.

Note: due to constant effort to improve products and product features, specifications may change without notice.